Manitoba Pork Council

HORIZONS

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CEC Hog Industry Review

The Clean Environment Commission's (CEC) review of the environmental sustainability of the hog industry in Manitoba is now underway. On Monday, March 5, the first public hearing took place at the Delta Hotel in Winnipeg. A total of 17 meetings will take place in 15 locations across the province ending on April 27 in Winnipeg.

Manitoba Pork Council delivered the opening presentation to the three-member CEC panel. Council presented a detailed overview of the hog industry in its two-hour presentation, covering 13 specific areas that the CEC outlined under the scope of the review. These included hog production, nutrient management, manure management, land use planning and approval, groundwater supply, surface water quality, soil quality, odours, disease transmission, climate change, environmental liability, approach in other jurisdictions and the future of the industry.

Farmer Participation Critical

Manitoba Pork Council is encouraging all hog producers to attend these meetings and, if possible, speak on behalf of their own farms and the industry as a whole. This is an opportunity to paint a positive picture of hog farming and show the public what farmers already know – Manitoba's hog industry is good for the environment and good for the province.

In particular, producers need to describe how they manage their operations to meet environmental regulations, how they protect local water supplies, what they are doing to reduce nuisance odours and what economic/social impact they are having in their local communities. The key is to speak from the heart and tell the CEC what they do as individual hog farmers.

Manitoba Pork Council's presentation to the CEC, along with background information, is available in the "Newsroom" section of www.manitobapork.com, alternately producers can request a copy of the information on a CD by contacting Manitoba Pork Council at (204) 237-7447 or toll-free at 1-888-893-7447.

Dates and Locations for the Manitoba Clean Environment Commission Hog Production Industry Review Hearings

April 10	Whitemouth	Whitemouth Recreation Centre	1-5 pm & 7-9 pm
April 11	Friedensfeld	Friedensfeld Community Centre	1-5 pm & 7-9 pm
April 12	Friedensfeld	Friedensfeld Community Centre	9 am – 5 pm
April 16	Virden	Elks Hall	1-5 pm & 7-9 pm
April 17	Hamiota	Sports Complex	1-5 pm & 7-9 pm
April 18	Brandon	Keystone Centre	1-5 pm & 7-9 pm
April 19	Brandon	Keystone Centre	9 am – 5 pm
April 25	Portage	Canad Inn	1-5 pm & 7-9 pm
April 27	Winnipeg	Radisson Hotel Winnipeg Downtown	9 am – 5 pm

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Although Manitoba Pork Council regularly includes promotional inserts and advertising with the newsletter we do not endorse paid advertisement. We encourage you to research any companies you plan to do business with

Chairman's Viewpoint

The First Quarter of 2007 Has Been a Busy One

By Karl Kynoch, Chairman, Manitoba Pork Council

We kicked off the year spending most of January in the U.S. to enhance trade relations with our fellow producers down south. A delegation of directors and staff traveled to South Dakota, Minnesota and Iowa for the better part of three weeks to attend some of the largest pork industry events in the U.S.

Last year, we had a large trade show display produced to promote the Manitoba hog industry to the U.S. market. We took that same display down south again and were met with the same positive reception we experienced last year.

Developing a North American industry

In early January, General Manager Andrew Dickson and I attended the South Dakota Pork Producers Council's annual general meeting. The next week, a larger delegation of directors and staff traveled to Minneapolis to attend the Minnesota Pork Congress. We talked with hundreds of U.S. producers and hog industry representatives. We also had the opportunity to meet one-on-one with Minnesota's Commissioner of Agriculture, the Minnesota Pork Producers Association's board of directors, university researchers and the Minnesota Farm Bureau.

Manitoba Pork Council's team at the Iowa Pork Congress (l. to r. Andrew Dickson, Tracey Bryksa, Susan Riese Szoke, Christine Kynoch, Karl Kynoch - missing: Larry Friesen and Darcy Pauls).

Finally, during the week of January 22 to 25, another group of us spent most of the week in Des Moines, Iowa visiting with Iowa's Secretary of Agriculture, the Iowa Farm Bureau and the Iowa Pork Producers Association. While we were in the U.S., we also met and did interviews with many members of the U.S. media.

Our efforts were very well-received. The message of creating a partnership and developing a North American pork industry was very positive and we have already developed some very good relationships with our U.S. neighbours. The pork producers associations in Iowa, South Dakota and Minnesota are all sending groups up to attend Manitoba Pork Council's AGM in April.

Our trade advocacy work is an ongoing effort. We have made a commitment to return to the U.S. events again in 2008, where we will continue to build Manitoba's profile and maintain good relations with our trading partners in the U.S. to develop a true North American pork industry.

Focus on the environment

Our efforts are now focused on the Clean Environment Commission's (CEC) review of the environmental sustainability of the hog industry in Manitoba. A total of 17 public meetings will be held in 15 locations throughout March and April. Manitoba Pork Council gave the first presentation of the review, which was a thorough two-hour overview of the pork industry in Manitoba at the opening session in Winnipeg on March 5.

We will have another opportunity to speak on behalf of hog producers at the last public session, which will take place again in Winnipeg on April 27. This will also give us an opportunity to counter any issues that have come up during the course of these public hearings.

So far, the hearings appear to be going well. There hasn't been a lot of media attention and the meetings have been rather quiet in fact. But that can change in a moment.

I want to encourage each and every hog producer to attend one of these public meetings. This is your industry and the outcome of these hearings could potentially impact the way we do business in the future. We need producers to stand up and speak out about hog farming and the way we operate our farms. This is our chance to educate the CEC and the public about the hog industry in Manitoba.

As we move through these meetings, I am confident that we will show the Commission that the hog industry is environmentally sustainable and benefits all Manitobans. Our ultimate goal is that the provincial government will remove the pause that they imposed on our industry back in December. The sooner we can have that pause lifted, the sooner we can get back to business here in Manitoba.

Director's Profile

This is the eleventh in a series of Board of Director member profiles. Meet Gary Stott, Director of District 11.

Q. What is your name, where and when were you born, when were you married, and do you have any children?

A. My name is Gary Stott. I was born in Winnipeg on April 11, 1951. Delores and I were married on December 12, 1970 in St. Adolphe, Manitoba. I have four children, three daughters-in-law, and three beautiful grandchildren.

Q. When did you start farming?

A. I grew up on a farm and starting farming on my own in 1969.

Q. How did you become involved with Elite Swine Inc.?

A. I was one of the founding owners of Elite Swine Inc.

Q. How long have you been involved with Manitoba Pork Council and what positions have you held?

A. I was appointed to the board at its inception in February 1999 and served until April 2000. I was re-appointed in 2004 and continue to serve. I am currently a member of both the Quality Assurance and Food Safety Committee and the Traceability Committee.

Q. How much time did you spend on Council business in 2006 and how do you manage to accommodate Council business with your other responsibilities?

A. One of my current responsibilities with Maple Leaf Foods is working with industry associations which allows me to devote the necessary time and effort required.

Q. What is your favourite part of serving as a Director?

A. Serving as a director allows me to have a positive influence on the industry, and it provides me the opportunity to meet many producers. Pig people are good people.

Q. Where do you see the industry in five years?

A. Manitoba will certainly be the epicentre of the Canadian pork industry.

Q. If you could have done anything differently in your farming life what would it have been?

A. I would have entered the hog business at the start of my farming career rather than ten years later.

New Champion Crowned at Hog & Poultry Days

On December 13 and 14, close to 1500 producers met at the Winnipeg Convention Centre for Hog and Poultry Days 2006. The biennial trade show featured a multitude of exhibits relating to the industries and also gave visitors the opportunity to hear speakers on new and evolving technologies, sample delicious pork and poultry products, participate in a Farm Safety Trail and of course, to attend the popular Pork Quality Competition.

The competition salutes the best in modern hog production. This year, 66 carcasses were entered but due to new more stringent criteria, only eight made the final cut. Emerging as this year's grand prize winner was Suncrest Colony of Tourond, Manitoba – a first time entrant. Second and third place went to Huron Colony of Elie and New Rosedale Colony from Portage la Prairie respectively. All eight finalists received substantial cash prizes as well as trophies. Winners are required to donate at least half of their winnings to a charity of their choice. In a spirit of generosity, many chose to donate 100% of their winnings. With this year's donations, the lifetime donations from the Hog and Poultry Days competition reached the $250,000 mark in contributions to urban and rural Manitoba charities.

Dave Wasylyshen and grand pize winner, Bob Kleinsasser of Suncrest Colony.

Following the competition, all 66 carcasses were donated to Winnipeg Harvest. After cutting, Harvest distributes the meat to needy families throughout Manitoba. Since 1996, over 70,000 pounds of some of the world's finest pork has been donated.

Faba Bean Shows Potential to Replace Higher Cost Sources of Dietary Energy

Farmscape for January 23, 2007 (Episode 2305)

Farmscape is a two-minute radio broadcast heard daily, Monday to Friday, on CKLQ Radio Brandon, CFRY Radio Portage La Prairie, CJWW Radio Saskatoon, and CKSW Radio Swift Current. Here's a recent broadcast:

Alberta Agriculture, Food and Rural Development reports low tannin faba beans are emerging as a cost effective alternative for livestock producers looking to escape the rising cost of corn and wheat resulting from increased ethanol production.

Increased demand for corn and for wheat resulting from expanded ethanol production has reduced the availability and pushed up the price of ingredients that have traditionally been used to provide dietary energy to pigs and broilers.

One concern is that the higher cost of these ingredients will result in lower energy feed formulations which will mean slower growth rates and reduced barn efficiency. Dr. Eduardo Beltranena, a pork research scientist with Alberta Agriculture, Food and Rural Development, says low tannin faba beans are showing excellent potential as an alternative source of energy.

Clip-Eduardo Beltranena-Alberta Agriculture, Food and Rural Development

One of the fallacies that pig producers have in their mind is that pulse crops like peas and faba bean are protein replacements or alternatives to replacing imported soybean meal. But both field pea and zero tannin faba bean have a substantial amount of starch that can propel pigs to turn over pig places in barns faster.

But, again, faba beans out yield peas normally in black and wooded soils by about half a metric tonne per hectare or seven and a half bushels per acre. So there is, again, greater attraction to producing zero tannin faba bean and we have seen no detrimental effect in pig performance including up to 40 percent zero tannin faba bean in nursery pig diets or in grow out finisher diets for hogs.

Dr. Beltranena observes producers haven't realized yet that pulses are a substantial provider of the starch that pigs need to turn over barns faster so we haven't seen the price pressure yet on the pulses that we have seen on wheat.

For Farmscape. Ca, I'm Bruce Cochrane.

Manitoba Pork

Farmscape is a Wonderworks Canada production and is distributed courtesy of Manitoba Pork Council & Sask Pork. Visit our website at **www.farmscape.ca.**

Sask PORK

Building public awareness about the hog industry in Manitoba

In early March, Manitoba Pork Council launched its advertising campaign for 2007. The multi-media campaign is designed to educate the public about the hog industry in Manitoba, its contributions to the province and what hog producers are doing to protect the environment.

The general public knows very little about the hog industry in Manitoba. With the Clean Environment Commission (CEC) conducting a review of the environmental sustainability of the hog industry, this is an important time to get more information out to the public. The campaign is focused during the period that the CEC is holding public hearings across the province.

The campaign kicked off with a four-page insert in the Winnipeg Free Press entitled "Straight Talk on Pork". The newspaper insert, which addressed water quality, the environment, the economy, job creation and food quality, was delivered to both subscribers and non-subscribers. The insert will run in the Brandon Sun, Portage Daily Graphic and Steinbach Carillon in April. Sections of the newspaper insert are running as banner ads in the Winnipeg Free Press and the Winnipeg Sun until May.

Manitoba Pork Council also has four, 15-second radio spots and three, 15-second television commercials running during the same time period. These are quick hits with some key points about the hog industry to build awareness of the contributions the hog industry makes to Manitoba. That includes job creation, economic impact and contributions to protect the environment. The radio and television commercials are being broadcast on a variety of different stations. You can also hear and see them at www.manitobapork.com.

2008-05038/

Manitoba Pork Council

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March 2007

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*Used Weightronix feed processor, 10HP, single phase, 8 microboxes, 1 tonne mixer, sandblasted & painted, looks like new, reduced to $25,000. Call Claude (204) 744-2501 or cell at 825-0001.

*Choretime feed system, 16 drops, 2 units, each approx. 75'; 16 Boulet Bros concrete feeders; 10 Crystal Spring stainless steel feeders; All not used for 5 years. Call Henry (204) 322-5768.

*10 HP, single phase electric motor manure pump for pits up to 12' deep. Excellent shape. Call (204) 444-3128.

*115 yellow Duflex infectaguard, centre tag, no hole; 1 Duflex tagger; 400 yellow Ytex tags w/numbers, centre pin; 150 black Ytex snaplox tags; 25 purple Ytex snaplox; 25 green Ytex snaplox tags; 225 red Ytex back pins w/out holes; 2 black Ytex taggers; 100 green Allflex tags w/pins w/holes; 1 blue Allflex tagger; $500 obo. All tags very clean & never been in a barn. Call (204) 346-4000.

*Vacuum pump in working condition & other misc. parts from older Lily manure wagon also lots of 310 IHC discer parts. Call (204) 427-2074. No Sunday calls.

**2000 GMC 3/4 ton, extended cab, loaded. Set up for trailer w/vacuum brake package & electric brake package, safetied; 24' Norberts trailer, new brakes, new tires, removable second deck, hauls up to 44 market hogs or 230 weanlings. Excellent condition. Total package $25,750. Call Gerry (204) 725-6704.

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**1998 Freightliner FLD120 sleeper, 430-470 HP, Detroit 13 speed. Call (204) 836-2219.

**CX Mixmill, 7.5 HP motor, 4 compartment. Call (204) 743-2032.

**450 Bus. Friesen hopper bin, $1,500. Call (204) 526-2040.

**6", 35' Brandt auger w/electric starter. Great shape, $1,150. Call (204) 841-0060.

**3 Thrifty King energy free hog waterers, 2 hole $250 each; Seirens single hog electronic scale. Digital readout, printer, vertical slide gates, used to weigh iso's. Paid $3,000, asking $2,000. Call Brad (204) 324-6527.

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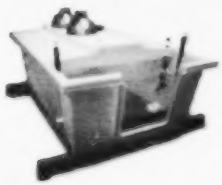

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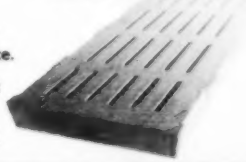

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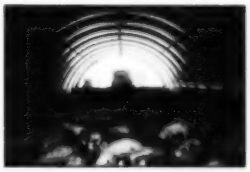

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Manitoba Pork Council
RESEARCH
March 2007

Feeding Wheat DDGS to Growing-Finishing Pigs

By P.A. (Phil) Thacker, Ph.D.

Take Home Message
Wheat DDGS should be limited to 5-10% of the diet during the growing period while it can completely replace soybean meal during the finishing period without detrimental effects on pig performance. Care should be taken to properly balance diets for all limiting amino acids.

Background
There is increasing interest in producing ethanol from cereal grains for use in motor fuels. Ethanol-blended fuels offer several advantages over regular gasoline including protection from gas line freezing, higher octane ratings and the potential to reduce motor vehicle greenhouse gas emissions. To produce ethanol, grain is milled, mixed with water and cooked. Enzymes are added to the mixture to convert starch to sugar and the sugar is fermented by the addition of yeast. After complete fermentation, the ethanol is removed by distillation and the remaining fermentation residues are dried and used for livestock feed.

In Western Canada, wheat is the most common substrate used to produce ethanol. It is expected that the increase in ethanol production from wheat will lead to substantial quantities of wheat distillers dried grains with solubles (DDGS) being made available to the Western Canadian Livestock Industry. If swine producers are to use these products effectively, it is essential that their nutritional value be accurately assessed.

Nutrient Content of Wheat DDGS
Due to the removal of the wheat starch in the fermentation process, the concentration of other nutrients is increased approximately 3-fold compared with wheat. Wheat DDGS typically contain approximately 35.7% crude protein, 4.6% ash, 5.4% ether extract, 33.2% neutral detergent fibre, 0.92% lysine, 1.13% threonine and 1.50% methionine and cystine. The principle concerns in feeding wheat DDGS are its high fibre content which lowers the digestible energy content of the product and its low dietary lysine content which inevitably means that synthetic lysine must be added in order to provide a balanced amino acid profile.

Use of Wheat DDGS in Grower-Finisher Rations
The results reported here (Table 1) are from a feeding trial conducted at the University of Saskatchewan. The experimental diets were based on wheat and soybean meal and contained 0, 5, 10, 15, 20 or 25% wheat DDGS during the growing period and 0, 3, 6, 9, 12 or 15% wheat DDGS during the finishing period. All diets were supplemented with sufficient vitamins and minerals to meet or exceed recommended levels. In addition, synthetic lysine was added to all diets in order to meet the pigs total amino acid requirements.

Continued on reverse.

During the growing period, weight gain pigs declined with increasingly levels of wheat DDGS. The impairment in growth appeared to be associated with a decrease in feed intake with increasing dietary inclusion of wheat DDGS. Feed conversion was unaffected by level of wheat DDGS. These results indicate that including wheat DDGS in the diet at levels greater than 5-10% is detrimental to the performance of pigs during the growing period. It is likely that the higher neutral detergent fibre content of diets containing higher levels of wheat DDGS contributes to an increase in the bulkiness of the diet which places a physical limitation on appetite as gut capacity is reached.

In contrast to the negative effects observed from the inclusion of wheat DDGS in diets fed during the growing period, there was no impairment in pig performance due to its inclusion during the finishing period. Wheat DDGS were included at levels as high as 15% of the diet, which allowed for the complete removal of soybean meal from the diet formulation, with no negative effects observed on growth rate, feed intake or feed conversion. The improved utilization of wheat DDGS during the finishing period compared with the growing period can be attributed to the greater gut capacity of finishing pigs compared with growing pigs which removes the physical limitation on appetite caused by the higher fiber content of the wheat DDGS.

Carcass traits were generally unaffected by the inclusion of wheat DDGS with the exception of a reduction in dressing percentage and loin lean as the level of wheat DDGS in the diet increased. The reduction in dressing percentage can be explained by the higher fiber content of the diet which presumably would lead to a greater volume of intestinal fluid. The reduction in loin lean was unexpected and suggests a dietary imbalance of amino acids.

In conclusion, to maximize pig performance, wheat DDGS should be limited to 5-10% of the diet during the growing period while it is possible to completely replace soybean meal with wheat DDGS during the finishing period without detrimental effects on pig performance. Care should be taken to properly balance diets for all limiting amino acids.

Table 1. *Performance and carcass traits of growing-finishing pig fed graded levels of wheat distillers grains with solubles*

	Level of wheat distillers grains with solubles (%)						
Grower period	0	5	10	15	20	25	
Finisher period	0	3	6	9	12	15	P Value
Growing period (20.3 to 51.8 kg)							
Daily gain (kg)	0.81	0.81	0.77	0.76	0.75	0.72	0.01
Daily intake (kg)	1.50	1.55	1.47	1.41	1.41	1.37	0.01
Feed conversion	1.86	1.92	1.89	1.84	1.88	1.91	0.74
Finishing period (51.8 to 113.2 kg)							
Daily gain (kg)	1.05	1.05	1.02	1.00	1.06	1.09	0.47
Daily intake (kg)	2.87	2.90	2.86	2.78	2.84	2.92	0.96
Feed conversion	2.74	2.78	2.80	2.81	2.70	2.66	0.16
Carcass traits							
Dressing percent (%)	79.2	78.8	79.5	77.8	76.6	78.6	0.03
Carcass value index	114.1	107.3	109.5	110.2	108.2	109.7	0.33
Lean yield (%)	60.9	58.9	59.9	59.6	59.7	59.1	0.12
Loin fat (mm)	17.8	22.5	20.1	20.0	19.5	20.8	0.56
Loin lean (mm)	60.9	59.6	58.9	54.6	54.2	53.0	0.01

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